

# VIDEO SPLITTER



2/4/8 Port VGA Video Splitter

ST122  
ST124  
ST128

Instruction Guide



\* Actual product may vary from photo

## FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Technical Support

The following technical resources are available for this StarTech.com product:

### On-line help:

We are constantly adding new information to the *Tech Support* section of our web site. To access this page, click the *Tech Support* link on our homepage, **www.startech.com**. In the tech support section there are a number of options that can provide assistance with this card.

Knowledge Base - This tool allows you to search for answers to common issues using key words that describe the product and your issue.

FAQ - This tool provides quick answers to the top questions asked by our customers.

Downloads - This selection takes you to our driver download page where you can find the latest drivers for this product.

Call StarTech.com tech support for help: **1-519-455-4931**  
*Support hours: Monday to Friday 9:00AM to 5:00PM EST (except holidays)*

## Warranty Information

**This product is backed by a one-year warranty. In addition StarTech.com warrants its products against defects in materials and workmanship for the periods noted below, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.**

### Limitation of Liability

In no event shall the liability to StarTech.com Ltd. (or its officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of related to the use of the product exceed the actual price paid for the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

## Technical Specifications

	ST122	ST124	ST128
Signal Type	VGA, SVGA Multisync	XGA, VGA, SVGA, Multisync	
Max. Cable Length	210ft (65m)		
Input Connector	High Density DB15 Male		
Output Connectors	2 High Density DB15 Female	4 High Density DB15 Female	8 High Density DB15 Female
VGA Bandwidth (-3dB)	250MHz		200MHz
VGA Resolution	1600x1200 @70Hz		1600x1200 @60Hz
Operating Environ.	41~104°F (5~40°C) 0~80% RH non-condensing		
Dimensions	4.10 x 3.86 x 0.95in (104x98x24mm)	8.83 x 5.98 x 2.05 in (224 x 152 x 52mm)	
Weight	0.42 lb. (190g)	2.54 lb. (1150g)	2.65 lb. (1200g)
Power	DC9V 300mA (max)	DC9V 300mA (max)	DC9V 600mA (max)
Certifications	FCC Class A, CE Mark		

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## Introduction

Thank you for purchasing a StarTech.com VideoView VGA video splitter. Depending on the model you purchased, you can now share one video source between two (ST122), four (ST124), or eight (ST128) screens. These video boosters are ideal for sending video signals over long distances (up to 210ft/65m) and for the remote broadcast of stock information, the remote display of lectures or lessons to classrooms, the remote display of speeches or demonstrations to overflow rooms, and numerous other applications.

## Features

- Duplicates video signals to 2, 4, or 8 outputs
- Transmits up to 210ft (65m)
- Daisy-chainable
- Supports 200 MHz (ST128) or 250 MHz (ST122, ST124) bandwidths
- Supports 1 XGA Port (in Video Out 1 port)
- Supports high-resolution video up to 1600 x 1200 @ 70Hz
- DDC compatible (**Note:** If a DDC monitor is connected to Video Out 1, all other monitors must be able to support the DDC's highest resolution)
- Backed by StarTech.com's one-year warranty

## Before You Begin

To ensure a quick and easy device installation, please read through this section carefully before attempting to install the device.

### Hardware Requirements

- One or more XGA, SVGA, VGA and/or Multisync-compatible analog monitor(s) with standard PC high density cables with 15-pin D-type male connectors
- One XGA, SVGA, VGA, or Multisync analog video card with a standard PC 15-pin D-type female connector
- SVGA extension cable(s) (not included)

### NOTE:

1. This product is not suitable for CGA, EGA, or Monochrome monitors using a digital video signal.
2. UL-2919 rated cable (such as the StarTech.com MXT101HQ\_50 or MXT101HQ\_100) is recommended for the best video quality.

## Installation

This section will guide you through the installation of your Video Splitter. Please read through the instructions carefully and complete each step in the order listed.

1. Make sure that the computers and monitors you are using are turned off.
2. Plug one end of your SVGA extension cable into the Video Splitter's **Video In** port. Plug the other end into your computer's video output port.
3. Plug your monitor cable into any of the Video Splitter's available **Video Out** ports.
4. Repeat Step 3 for any other monitors you wish to attach to the Video Splitter.
5. Set the Video Splitter's **Gain Control** switch as follows:
  - **High** if any of the monitors are **more** than 98ft (30m) away from your computer
  - **Normal** if all of the monitors are **less** than 98ft (30m) away

**NOTE:** The Gain Control switch is located on the **front** of the ST122, and on the **bottom** of the ST124/128.

6. Plug the power adapter into the Video Splitter's **AC 9V** power jack. Plug the other end into an available wall socket.
7. Power up all devices. To turn on the ST124 and ST128, press the **Power** button on the front of the unit. The ST122 does not require a power button. If the devices are properly connected to their power source, the power LED on the front of the device should be lit.

**NOTE:** The ST122 also has a Signal LED that will be lit when the signal is clear between the device and the computer.

## Cascading Your Video Splitters

To cascade the Video Splitters, use an SVGA extension cable to connect the **Video Out** port of the **Master** Video Splitter unit (the unit directly connected to the computer) to the **Video In** port of the **Slave** Video Splitter unit.

**NOTE:** The 210ft (65m) broadcasting length does not apply to cascaded units. Video Splitters that are cascaded should be stacked or kept close together.